



Section 1 Identification of the substance/mixture and the company

- 1.1 Product identifier **HydroQuant® reagent Cl-1**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of substance Reagent solution for the determination of chlorine/ozone
- 1.3 Supplier WAPOTEC GmbH
Franz-Sauer-Strasse 44
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3
- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
Office hours:
MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00
- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43
Available 0-24h



Section 2 Hazards identification

- 2.1 Hazard classification of substance or mixture
 According to Regulation (EC) N° 1272/2008
Not applicable.
The product is classified as not dangerous.
- 2.2 Label elements
 According to Regulation (EC) 1272/2008
Not applicable.
The product is classified as not dangerous according to Regulation (EC) 1272/2008
- 2.3 Other hazards.
No information available.



Section 3 Composition/information on ingredients

- 3.2 Mixtures
 - ☉ Chemical characteristics
- Hazardous ingredients: none



Section 4 First-aid measures

- 4.1 Description of first aid measures
 - ☉ General information

When in doubt or if symptoms are observed, get medical advice.

 - ☉ After inhalation
- Provide fresh air.
- ☉ After skin contact
- Wash with plenty of water. Take off contaminated clothing and wash before reuse.
- ☉ After eye contact
- Rinse immediately carefully and thoroughly with eye-bath or water.
- ☉ After ingestion
- Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.
- 4.2 Most important symptoms and effects, acute and delayed
- No information available.
- 4.3 Indications for immediate medical attention or special treatment needed
- Treat syptomaticallye.



Section 5 First-fighting measures

- 5.1 Extinguishing media
 - ☉ Suitable extinguishing media

Adapt extinguishing measures to the environment.
 - 5.2 Special hazards arising from the substance or mixture
- Non-flammable.
- 5.3 Special protective actions for fire-fighters
- In case of fire: wear self-contained breathing apparatus.
- ☉ Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.








Section 6 **Accidental release measures**

- 6.1 Personal precautions, protective equipment and suitable emergency procedures.
Use personal protection equipment.
- 6.2 Environmental precautions
Do not allow to enter into surface water or drains.
- 6.3 Measures for cleaning/collecting:
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). treat the recovered material as prescribed in the section on waste disposal.
- 6.4 Additional information
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13



Section 7 **Handling and storage**

- 7.1 Precautions for safe handling
Observe advice on the label or analysis specification.
- 7.2 Conditions for safe storage including any incompatibilities
-  Fire and explosion protection measures
The product is not combustible.
 -  Design of storage rooms and container
Protect from heat and direct sunlight.
Store under dry and cool conditions.
Store in a tightly closed container.
 -  Recommended storage temperature: +5°C to +20°C protect from sun
 -  Material incompatibility
No material incompatibility known.
 -  VbF class: Not applicable.
- 7.3 Specific end uses
Reagent solution for the determination of chlorine/ozone.



Section 8 **Exposure controls and personal protection**

8.1 Control parameters

- Additional advice on limit values

To date, no national critical limit values exist.

8.2 Exposure controls



- Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

- General protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. Do not eat or drink at work.

- Eye and face protection

Wear eye protection/ face protection.

- Respiratory protection

Necessary when vapors/aerosols are generated. Recommended filter: Filter type E

- Hand protection

When handling chemical substances, only chemical protective gloves with CE-label including the four control digits must be worn. Chemical protective gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. It is recommended to check the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

- Skin protection

Wear suitable protective clothing

- Respiratory protection

In case of inadequate ventilation wear respiratory protection.





















- Environmental exposure controls

Do not allow to enter surface water or drains.

**Section 9****Physical and chemical properties**

9.1 Information on basic physical and chemical properties

- | | |
|--|------------|
| <ul style="list-style-type: none">Physical state | Liquid |
| <ul style="list-style-type: none">Colour | colourless |
| <ul style="list-style-type: none">Odour | odourless |

	pH-Value (20°C)	8.0 – 9.0
Changes in the physical state		
	Melting point	not determined
	Initial boiling point and boiling range	not determined
	Flash point	not determined
Flammability		
	Solid	not applicable
	Gas	Not applicable
Explosive properties		
		The product is not: Explosive
	Lower explosion limits:	not determined
	Upper explosion limits	not determined
	Ignition temperature	not determined
Auto-ignition temperature		
	Solid	not applicable
	Gas	not applicable
	Decomposition temperature	not determined
Oxidizing properties		
		not oxidising
	Vapour pressure	not determined
	Density	not determined
	Water solubility	very soluble
Solubility in other solvents		
		not determined
	Partition coefficient	not determined
	Viscosity (dyn.)	Not determined
	Viscosity (kin.) (at 40 °C)	(estimated) 1 – 1.5 mm ² /s
	Vapour density	not determined
	Evaporation rate	not determined

9.2 Other information
 Odour threshold: not applicable.

Section 10

Stability and reactivity

- 10.1 Reactivity
 No hazardous reactions when handled and stored according to provisions.
- 10.2 Chemical stability

- 10.3 The product is stable under storage at normal ambient temperatures.
Possibility of hazardous reactions
No known hazardous reactions.
- 10.4 Conditions to avoid
No information available.
- 10.5 Incompatible materials
No information available.
- 10.6 Hazardous decomposition products
No known hazardous decomposition products.

Section 11 Toxicological information

- 11.1 Information on toxicological effects
 - Acute toxicity
Based on available data, the classification criteria are not met.
 - Irritation and corrosivity
Based on available data, the classification criteria are not met.
 - Sensitising effects
Based on available data, the classification criteria are not met.
 - Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data the classification criteria are not met.
 - STOT-single exposure
Based on available data the classification criteria are not met.
 - STOT-repeated exposure
Based on available data the classification criteria are not met.
 - Aspiration hazard
Based on available data the classification criteria are not met.

Section 12 Ecological information

- 12.1 Toxicity
The product is not: Ecotoxic.
- 12.2 Persistence and degradability
The product has not been tested.
- 12.3 Bioaccumulation potential

- 12.4 The product has not been tested.
Mobility in soil
The product has not been tested.
 - 12.5 Results of PBT- and vPvB-assessment
The product has not been tested.
 - 12.6 Other adverse effects
No information available.
- Further information**
Avoid release to the environment.

Section 13

Disposal considerations

- 13.1 Waste treatment methods

Advice on disposal

Do not allow to enter surface water or drains. Dispose of waste according to applicable legislation.

- Waste key number

Not applicable.

- Waste name

Not applicable

Contaminated packaging

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Section 14

Transport information

- 14.1 No dangerous good according to regulation for transport of dangerous goods.
UN-Number
ADR, RID, ADN, IMDG, IATA: Void
- 14.2 Proper UN-shipping name
ADR, RID, ADN, IMDG, IATA: Void
- 14.3 Transport hazard class
ADR, RID, AND, IMDG, IATA: Void
- 14.4 Packaging group
ADR, RID, AND, IMDG, IATA: Void
- 14.5 Environmental hazards

- Not applicable.
- 14.6 Special precautions for the user
No .
- 14.7 Transport in bulk according to Annex II of MARPOL agreement 73/78 and according to IBC-Code
Not applicable.

Section 15 Regulatory information

- 15.1 Safety-, health-, ambient- and legislation specific instructions for substance or mixture
- Information according to 2012/18/18 (SEVESO III):
National regulatory information
- Water contaminating class (D): 1- slightly water contaminating
- 15.2 Chemical safety assessment
Chemical safety assessment for substances in this mixture were not carried out.

Section 16 Other information

The product is only described in terms of safety requirements. Since unknown potential hazards can never be completely excluded, the product must be handled with the necessary care when handling chemicals and is only permitted for the uses listed in section 1.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)

ADN: Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieure

(Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf Binnenwasserstraßen)

GHS: Globally harmonized System of classification and Labelling of Chemicals

IATA: International Air Transport Association

IMDG: International maritime code for Dangerous Goods

PBT persistent, bioakkumulierbar, toxisch

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr)

vPvB sehr persistent, sehr bioakkumulierbar

Further information

The information is based on the current state of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. Existing laws and regulations must be observed by the recipient of our products on his own responsibility.

(The data of the hazardous ingredients were taken from the sub-contractor's latest valid safety data sheet.)

HydroQuant® reagent Cl-1

